

Gateway 56-inch RPT TV Specifications

Specifications are subject to change without notice or obligation.

Display Panel

Screen size	Diagonal 56-inch
Aspect ratio	4:3, 16:9 wide
Resolution	1280 × 720
Brightness	400 nits typical
Contrast ratio	1000:1 typical
Colors	16.7 M colors / 8 bits
Projection system	DLP (Digital light processor)
Lamp	Philips UHP 100 W/120 W 1.3 E23 lamp driven by Philips 120 W ballast EUC120P/H11
Lamp life	MTBF 6000 hours
Viewing angle	± 50° horizontal, ± 18° vertical

Power Source

Input voltage	90 ~ 264 Vac, 50 Hz -60 Hz auto-ranging
Input current	1.7 A
Power consumption	300 Watts maximum; 250 Watts typical
Stand-by and Power Save	3 Watts

Video Formats (A/V, S)

NTSC

Connector Types

27	RCA jacks for audio, video, and YP _B P _R
3	6-pin Din S-terminal for S-Video
1	24-pin DVI/HDCP
2	15-pin D-SUB for RGB
1	F-terminal coax

Video Signal, S-Video

Type	Analog
Polarity	Positive
Amplitude	Y: 1 Vp-p, C: 0.286 Vp-p
Input impedance	75 ohms

YP_BP_R Signal (Component)

Type	Analog
Polarity	Positive
Amplitude	Y: 1 Vp-p, Cb: 0.7 Vp-p, Cr: 0.7 Vp-p
Input impedance	75 ohms

RGB Signal

Type	Analog
Polarity	Positive or Negative
Amplitude	RGB: 0.7 Vp-p
Input impedance	75 ohms

Audio Signal

Analog 500 mV rms /more than 47 Kohm

Pin Assignments for D-SUB Connector (In/Loop Out)

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RED	6	RED RETURN	11	ID0
2	GREEN	7	GREEN RETURN	12	SDA/TxD
3	BLUE	8	BLUE RETURN	13	H-SYNC
4	DOWNLOAD DETECT	9	+5 V	14	V-SYNC
5	GND	10	SYNC RETURN	15	SCL/RxD

Pin Assignments for DVI-D Connector

Pin	Signal Assignment	Pin	Signal Assignment
1	TMDS DATA 2 –	13	TMDS DATA 3 +
2	TMDS DATA 2 +	14	+ 5 V POWER
3	TMDS DATA 2/4 SHIELD	15	GND
4	TMDS DATA 4 –	16	HOT PLUG DETECT
5	TMDS DATA 4 +	17	TMDS DATA 0 –
6	DDC CLOCK	18	TMDS DATA 0 +
7	DDC DATA	19	TMDS DATA 0/5 SHIELD
8	NC	20	TMDS DATA 5 –
9	TMDS DATA 1 –	21	TMDS DATA 5 +
10	TMDS DATA 1 +	22	TMDS CLOCK SHIELD
11	TMDS DATA 1/3 SHIELD	23	TMDS CLOCK +
12	TMDS DATA 3 –	24	TMDS CLOCK –

RGB For VESA Standard						
Mode No.	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	H-Sync Polarity (TTL)	V-Sync Polarity (TTL)
1	640 × 350	85	37.86	85.0	+	-
2	640 × 400	85	37.86	85.0	-	+
3	720 × 400	70	31.47	70.0	-	+
4	720 × 400	85	37.93	85.0	-	+
5	640 × 480	60	31.47	59.9	-	-
6	640 × 480	72	37.86	72.8	-	-
7	640 × 480	75	37.50	75.0	-	-
8	640 × 480	85	43.27	85.0	-	-
9	800 × 600	56	35.16	56.3	+	+
10	800 × 600	60	37.88	60.3	+	+
11	800 × 600	72	48.08	72.2	+	+
12	800 × 600	75	46.88	75.0	+	+
13	800 × 600	85	53.67	85.1	+	+
14	1024 × 768	60	48.36	60.0	-	-
15	1024 × 768	70	56.48	70.1	-	-
16	1024 × 768	75	60.02	75.0	+	+

Video Input Formats				
Format	Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)	Vertical Frequency (KHz)
NTSC, CCIR 656	700 × 525	60	15.73	60.0
480p 4:3, SMPTE 293M	960 × 720	60	21.47	59.9
720p, SMPTE 296M	1280 × 720	60	45.00	60.0
1080i, SMPTE 274M	1280 × 720	60	33.75	60.0

Maximum Resolution

Up to 1280 × 768

Dimensions

Width 56.4 in. (1381 mm)

Height 43.8 in. (1113 mm)

Depth 18.9 in. (480 mm)

Weight

Net weight 130.0 lbs (59.1 kgs)

Operating

Temperature 5~35°C (41~95°F)

Relative humidity 20~90%

Pressure 0~10,000 feet

Non-Operating

Temperature -10~60°C (14~140°F)

Relative humidity 5~90%

Pressure 0~40,000 feet

Reliability Requirement

The MTBF is 50,000 hours under operation at 25±5°C (Half luminosity, motion picture)

Emissions Requirement

Your RPT TV meets the EMI limits in all screen modes as qualified by FCC class B part 15.

Many products for Gateway and its subsidiaries are custom engineered by our suppliers to Gateway specifications and may vary from similarly marketed products.

MAN 56" DLP REAR PROJ SPEC R0 12/03



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